

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

|                 |            |             |                          |
|-----------------|------------|-------------|--------------------------|
| Client ID:      | M109486    | Client:     | Alaskan Copper Works     |
| Date Received:  | 01/19/07   | Project:    | PO# M109486, F&BI 701177 |
| Date Extracted: | 01/22/07   | Lab ID:     | 701177-01 10x            |
| Date Analyzed:  | 01/22/07   | Data File:  | 701177-01 10x.064        |
| Matrix:         | Water      | Instrument: | ICPMS1                   |
| Units:          | ug/L (ppb) | Operator:   | btb                      |

|                    |             |        |        |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower  | Upper  |
| Germanium          | 101         | Limit: | Limit: |
|                    |             | 60     | 125    |

|          |               |
|----------|---------------|
| Analyte: | Concentration |
|          | ug/L (ppb)    |
| Chromium | 1,550         |
| Nickel   | 1,170         |
| Copper   | 380           |
| Zinc     | <50           |

OFRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

|                 |                |             |                          |
|-----------------|----------------|-------------|--------------------------|
| Client ID:      | Method Blank   | Client:     | Alaskan Copper Works     |
| Date Received:  | Not Applicable | Project:    | PO# M109486, F&BI 701177 |
| Date Extracted: | 01/22/07       | Lab ID:     | I7-22 mb                 |
| Date Analyzed:  | 01/22/07       | Data File:  | I7-22 mb.017             |
| Matrix:         | Water          | Instrument: | ICPMS1                   |
| Units:          | ug/L (ppb)     | Operator:   | btb                      |

|                    |             |        |        |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower  | Upper  |
| Germanium          | 107         | Limit: | Limit: |
|                    |             | 60     | 125    |

|          |                             |
|----------|-----------------------------|
| Analyte: | Concentration<br>ug/L (ppb) |
| Chromium | <1                          |
| Nickel   | <1                          |
| Copper   | <1                          |
| Zinc     | <5                          |

# OFRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/07

Date Received: 01/19/07

Project: Metro K.C. Comp, PO# M109486, F&BI 701177

### QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 701184-01 (Duplicate)

| Analyte  | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | Acceptance Criteria |
|----------|-----------------|---------------|------------------|-----------------------------|---------------------|
| Chromium | ug/L (ppb)      | 4.49          | 4.37             | 3                           | 0-20                |
| Nickel   | ug/L (ppb)      | <1            | <1               | nm                          | 0-20                |
| Copper   | ug/L (ppb)      | 1.16          | 1.02             | 13                          | 0-20                |
| Zinc     | ug/L (ppb)      | 5.62          | <5               | 97 a                        | 0-20                |

Laboratory Code: 701184-01 (Matrix Spike)

| Analyte  | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|----------|-----------------|-------------|---------------|---------------------|---------------------|
| Chromium | ug/L (ppb)      | 20          | 4.49          | 93 b                | 50-150              |
| Nickel   | ug/L (ppb)      | 20          | <1            | 89                  | 50-150              |
| Copper   | ug/L (ppb)      | 20          | 1.16          | 89                  | 50-150              |
| Zinc     | ug/L (ppb)      | 50          | 5.62          | 84                  | 50-150              |

Laboratory Code: Laboratory Control Sample

| Analyte  | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------------|---------------------|
| Chromium | ug/L (ppb)      | 20          | 98                   | 70-130              |
| Nickel   | ug/L (ppb)      | 20          | 99                   | 70-130              |
| Copper   | ug/L (ppb)      | 20          | 96                   | 70-130              |
| Zinc     | ug/L (ppb)      | 50          | 92                   | 70-130              |

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

January 29, 2007



INVOICE #07ACU0129-1

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro K.C. Comp, PO# M109486, F&BI 701177 - Results of testing  
requested by Gerry Thompson for material submitted on January 19, 2007.

|  |              |
|--|--------------|
| 1 sample analyzed for Total Chromium, Copper, Nickel and Zinc<br>by Method 200.8 @ \$80 per sample | \$ 80.00     |
| Rush Charges (24 hr) 100% of \$80.00   | <u>80.00</u> |
| Amount Due .....   | \$ 160.00    |

FEDERAL TAX ID #(b) (6)



701177

## SAMPLE CHAIN OF CUSTODY

ME 01-19-07

AI4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH Monday

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID | Lab ID | Date    | Time  | Sample Type      | # of containers | ANALYSES REQUESTED |              |               |              |               |     |  |  |  |  | Notes |
|-----------|--------|---------|-------|------------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|
|           |        |         |       |                  |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS |  |  |  |  |       |
| m109486   | 01     | 1/19/07 | 10:30 | H <sub>2</sub> O | 1               |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |
|           |        |         |       |                  |                 |                    |              |               |              |               |     |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. Thompson  
Nhan PhanACW  
FeBI1/19/07 11:58pm  
1/19/07 ✓

Samples received at 20 °C

AKC-0007087

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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January 29, 2007

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 19, 2007 from the Metro K.C. Comp, PO# M109486, F&BI 701177 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0129R